



Fig. 2

	950	940	930
Wild type	3' - AAGACCAACAACACGAGAGTACTAAGTGA - 5'		
	GluProThrGlnAlaArgLeuSerGluSer		
	315	313	310
	GluProThrGlnAlaGlyLeuSerGluSer		
Mutant type	3' - AAGACCAACAACACGAGGGTACTAAGTGA - 5'		
	3' - TTCTGGTGTTGTGCTCCCAATGATTCACCT - 5'		
	950	940	930

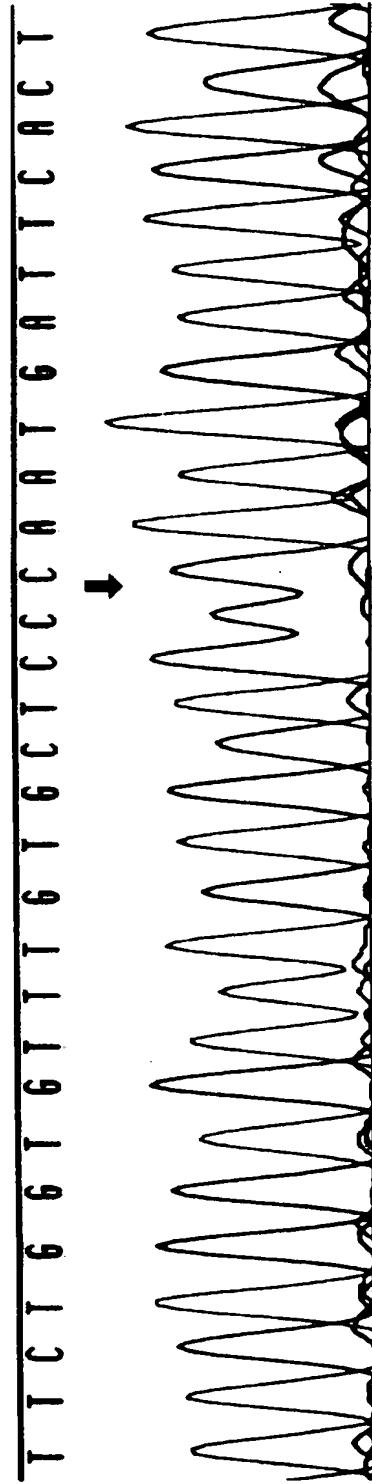


Fig. 3

Wild type
1818 1810 1800
3' - AAGTGGTCGTCGACAGTCT - 5'
GluGlyAlaAlaThrLeu

Mutant type
604 601
GluGlyValAlaThrLeu
3' - AAGTGGTTTTCGACAGTCT - 5'
3' - TTCACCAACAGCTGTCAGA - 5'
1818 1810 1800

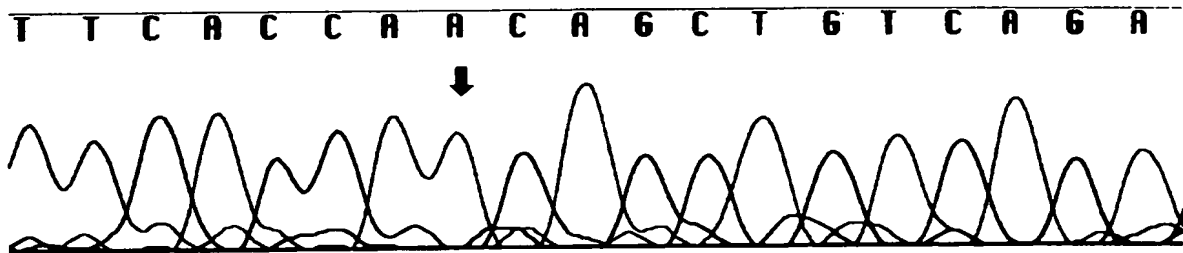


Fig. 4

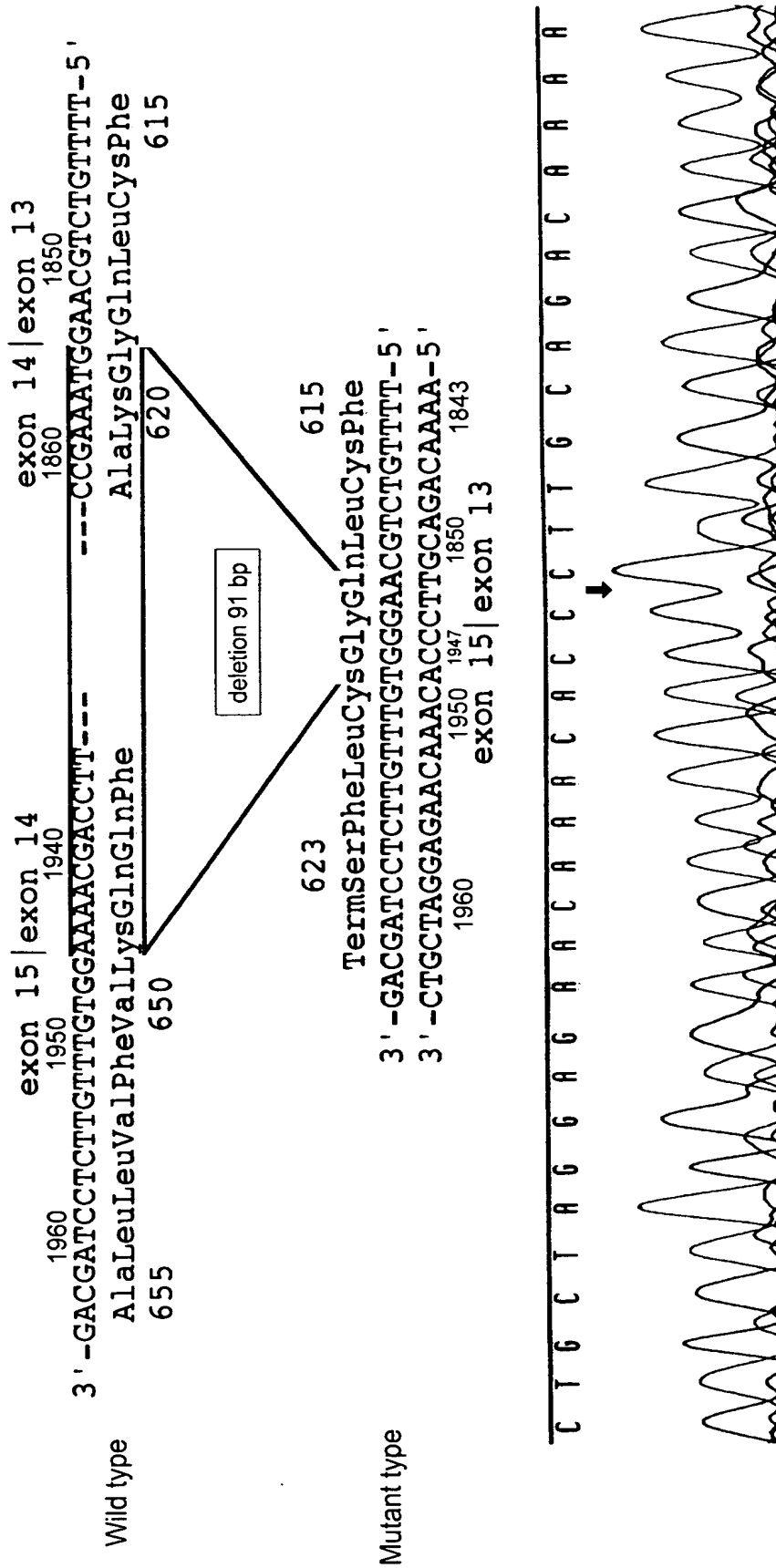


Fig. 5

	2170	2160	2150
Wild type	3' -CAACCTCGTCCCCCTACAGACTTTTG-5'		
	AsnSerCysProProHisArgPheVal		
	725	720	717
	AsnSerCysProProArgArgPheVal		
Mutant type	3' -CAACCTCGTCCCCCTGCAGACTTTTG-5'		
	3' -GTTGGAGCAGGGGGACGCTGAAAAC-5'		
	2170	2160	2150

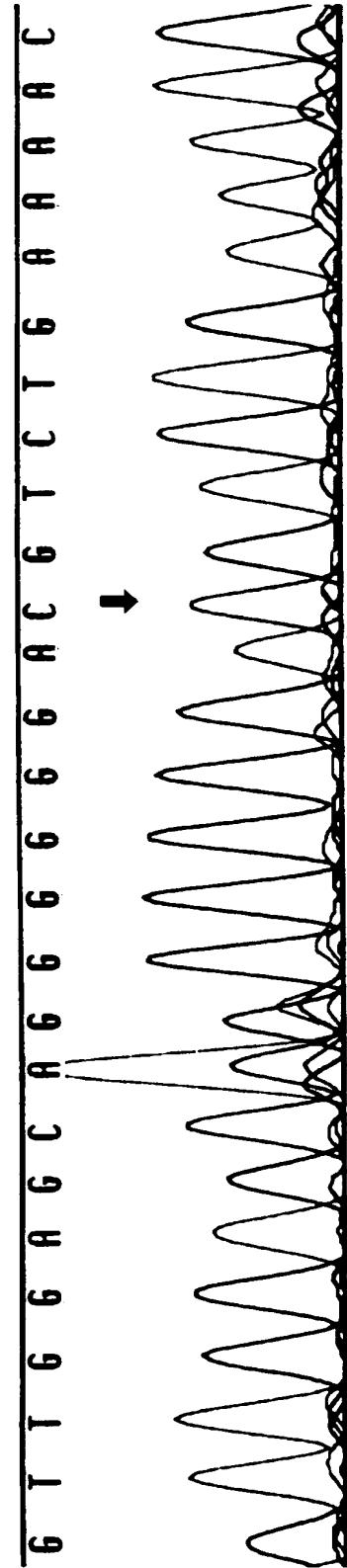
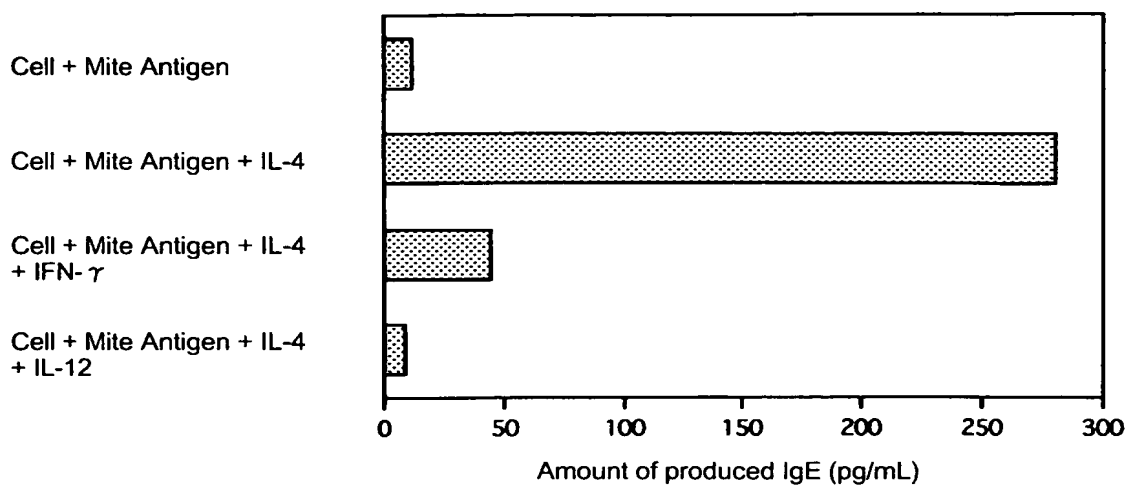
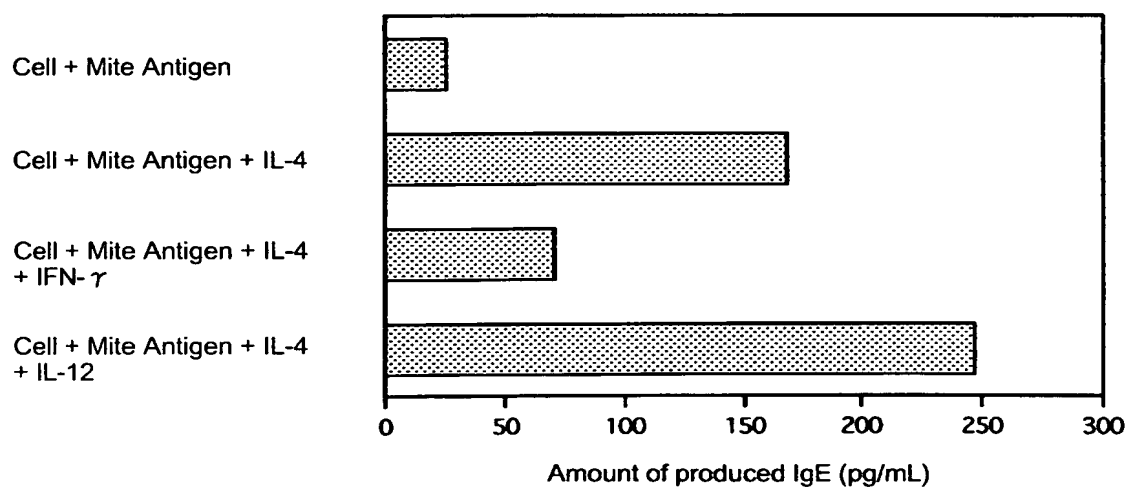


Fig. 6

a) Non-allergic subjects



b) Allergic subjects of 1856de191



c) Allergic subjects of A604V

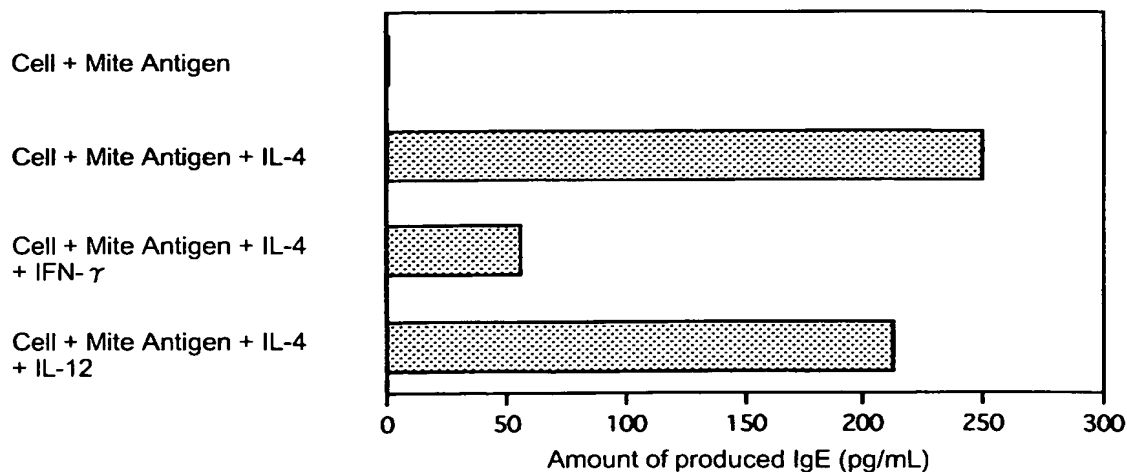


Fig. 7

358 360 364
 TrpProAla^{Arg}AlaGlnSer
 Trp
 C
 5' -ATTGGCCAGCC/GGGCTCAGAGCA-3'
 T
 1070 1080 1090

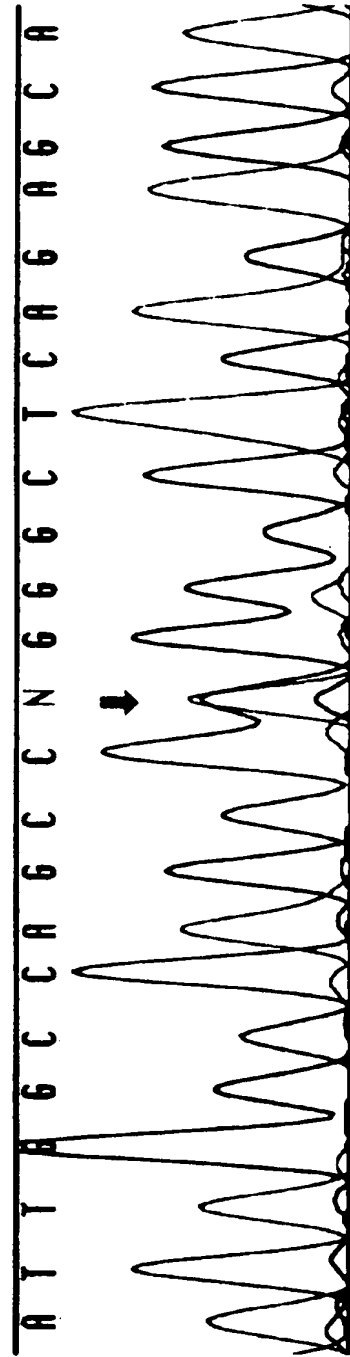


Fig. 8

360 365 369
 AlaArgAlaGlnSerMetThrTyrCysIle
 Thr
 T
 5' -GCCCCGGGCTCAGAGCA/GACGTATTGCATT-3'
 C
 1080 1090 1100

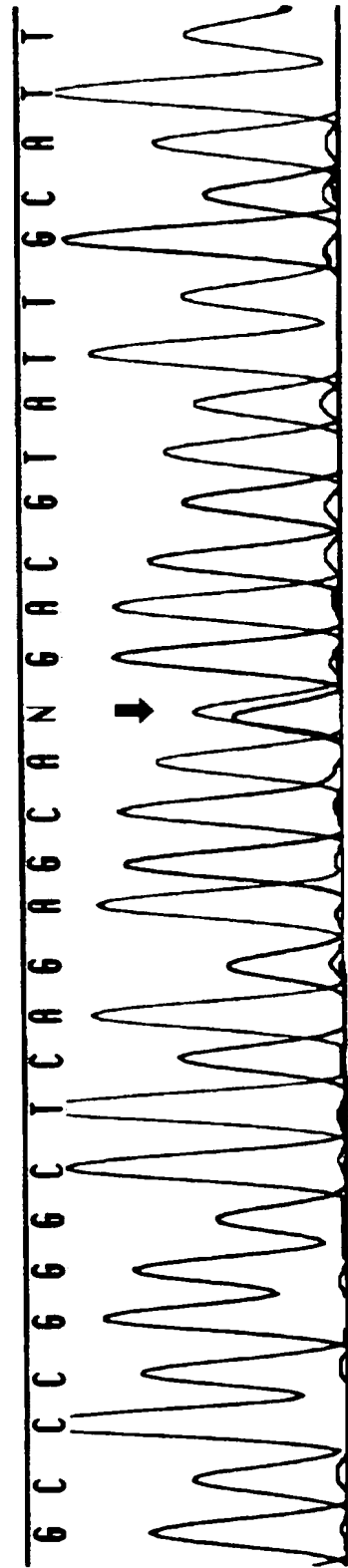


Fig. 9

375 378 380
 ProValGlyGlnAsp Gly GlyLeuAlaThrCys
 Arg

G
 5' - CCTGTGGGCCAGGAC / GGGGCCCTGGCCACCTGC - 3'
 C
 1120 1130 1140

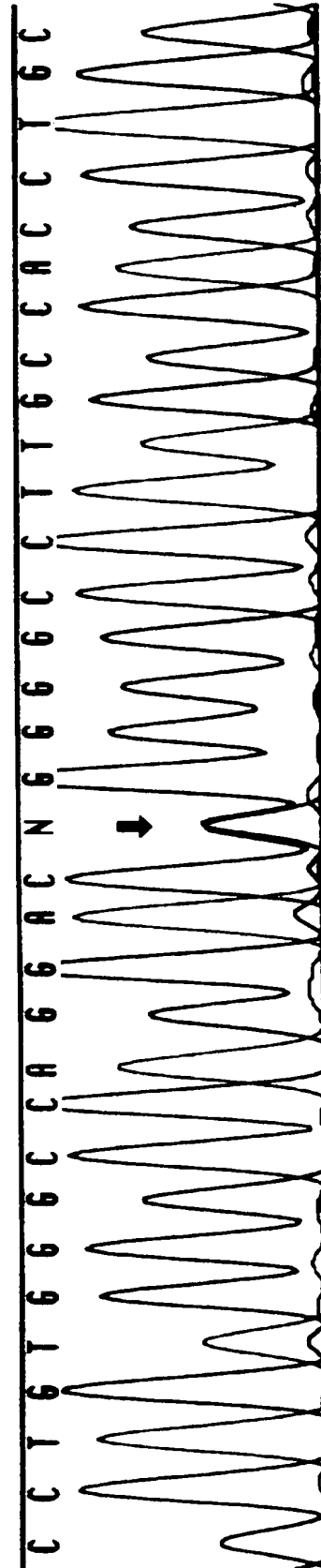
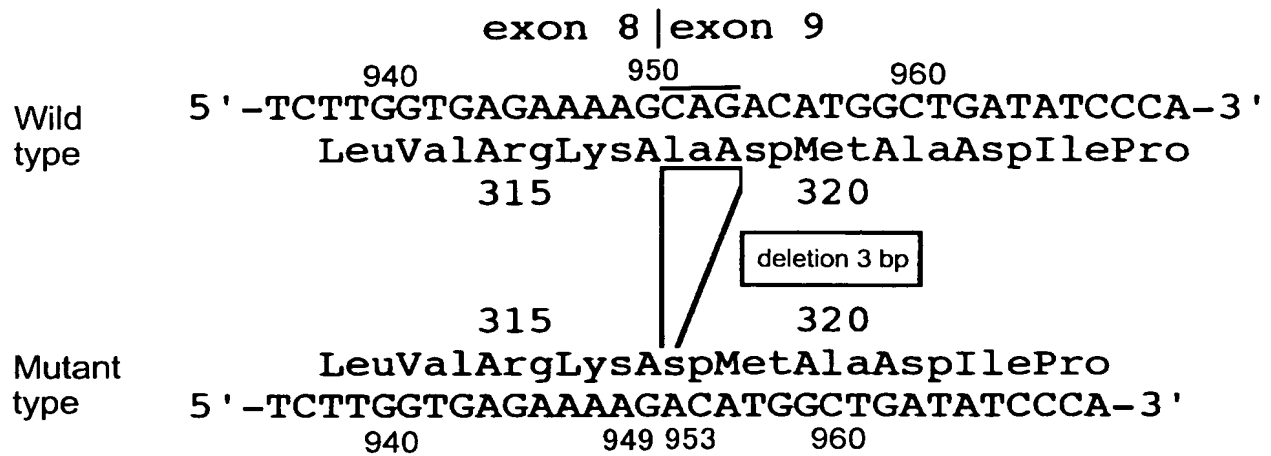


Fig. 10



TCTTGGTGAGAAAAGACATGGCTGATATCCCA
 310 320 330

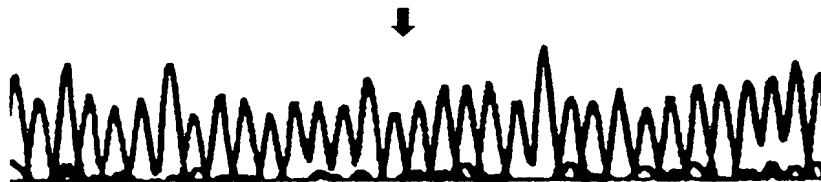
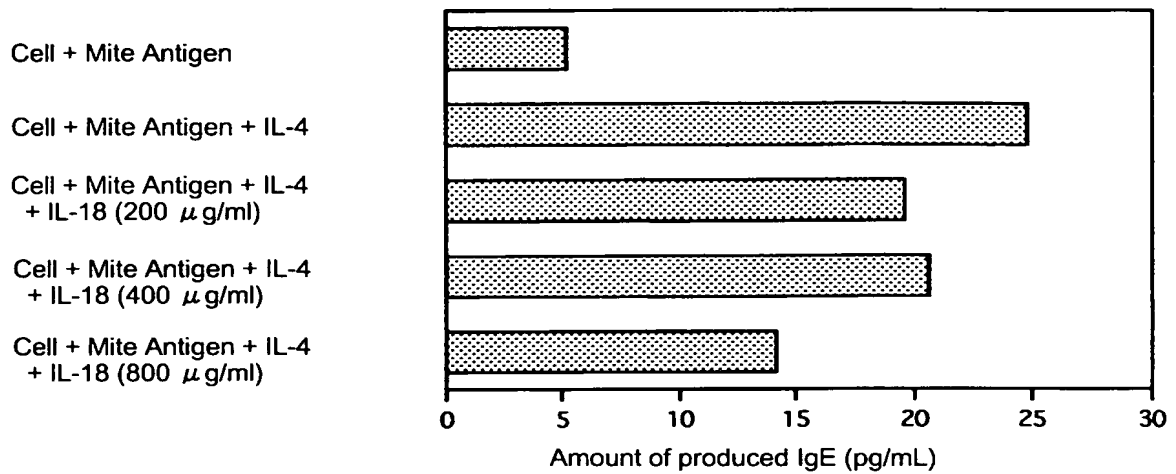


Fig. 11

a) Non-allergic subjects



b) Allergic subjects of 950de13

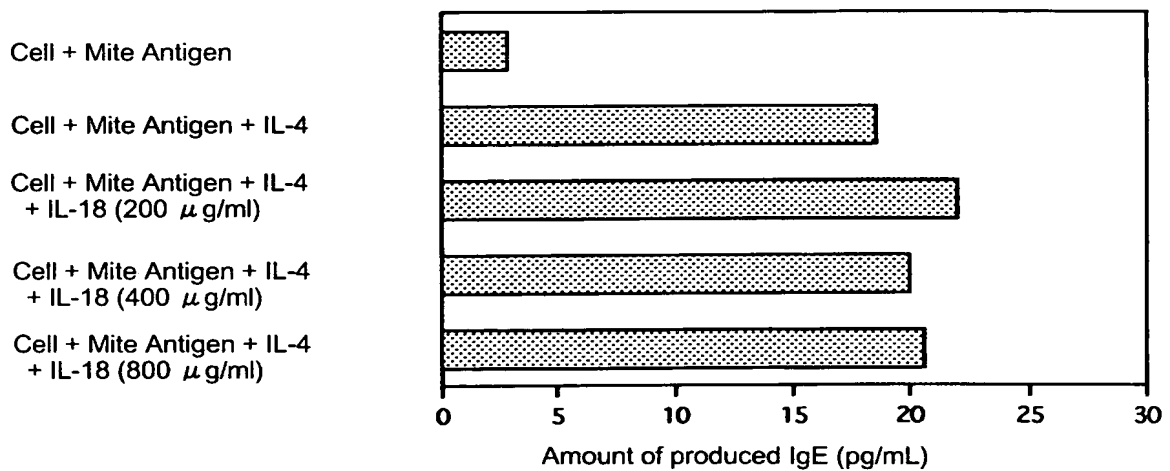


Fig. 12

	1390	1400	1410
Wild type	5' -CTAGTGGATCTACTTGTGGATGATAGCGGT-3'		
	LeuValAspLeuLeuValAspAspSerGly		
	465	467	470
	LeuValAspLeuProValAspAspSerGly		
Mutant type	5' -CTAGTGGATCTACCTGTGGATGATAGCGGT-3'		
	1390	1400	1410

TA GTGGATCTACCTGTGGATGATAGCGGT

540 550 560



Fig. 13

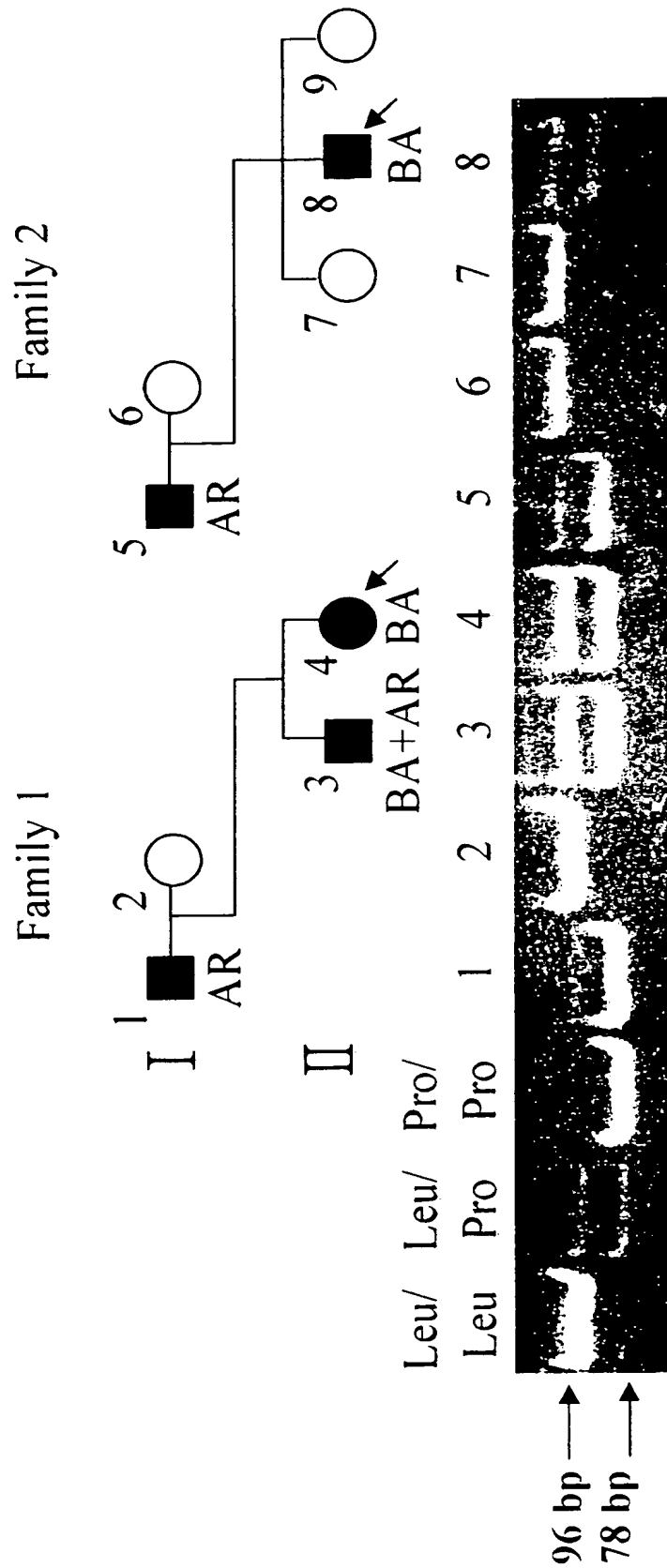


Fig. 14

3660	3670	3680	3690	3700	3710
gtgccacca	tgccatctgt	gactatatct	ttttattctt	taatagtaac	tcccttttct
			↑		
			A : 3696G/A		
3720	3730	3740	3750	3760	3770
aattaaaggt	aacaaacaaa	acttaaaaa	gagatgcca	ccaagcgtc	attggcatgc
				↑	
			C : 3757C/T		
3780	3790	3800	3810	3820	3830
tgatgtggc	accagtgttg	ggaagccctt	agcatactcc	aggaagtagg	agtgtgtaac
3840	3850	3860	3870	3880	3890
gtggggtccc	tttgtccttc	atgcaagggt	ttcaagagtt	tagaaaacct	atgaaattgc

Fig. 15

12310	12320	12330	12340	12350	12360	
caacagttga	ggccttacct	gccttactgg	ctacaatcac	taggaactct	ctccccaatg	
					↑	G : 12359T/G
12370	12380	12390	12400	12410	12420	
tgtaacacag	gctaatttct	gtctttgact	tcagctcttc	tgacccccaa	gggggtgacgt	
			↑			exon 5

16030 16040 16050 16060 16070 16080
 atgcat**ttgca** gaaacaggct cagcttacc**c** tgtgactatg ttgccaaggg gtcttcacag
 ↑
 T :16078C/T

16090 16100 16110 16120 16130 16140
 ctttccttct cttttgcaga aagatagagt cttcacggac aagacctcag ccacgggtcat
 exon 7

16150 16160 16170 16180 16190 16200
 ctgccgcaaa aatgccagca ttagcgtgcg ggcccaggac cgctactata gctcatcttg